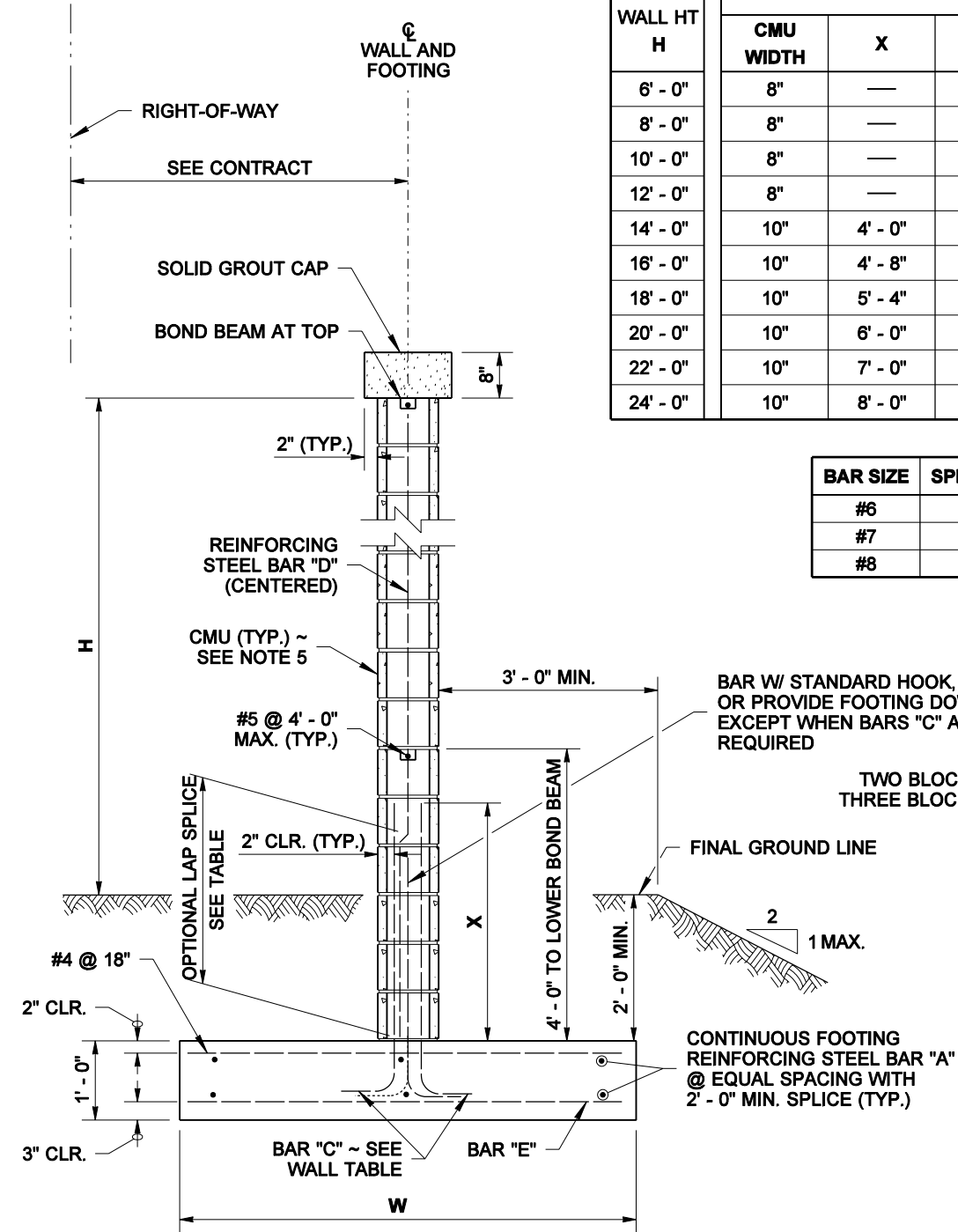


WIND EXPOSURE & VELOCITY		
NOISE BARRIER TYPE	WIND EXPOSURE	WIND VELOCITY (MPH)
17A	B1	80
17B	B1	90
17C	B2	80
17D	B2	90

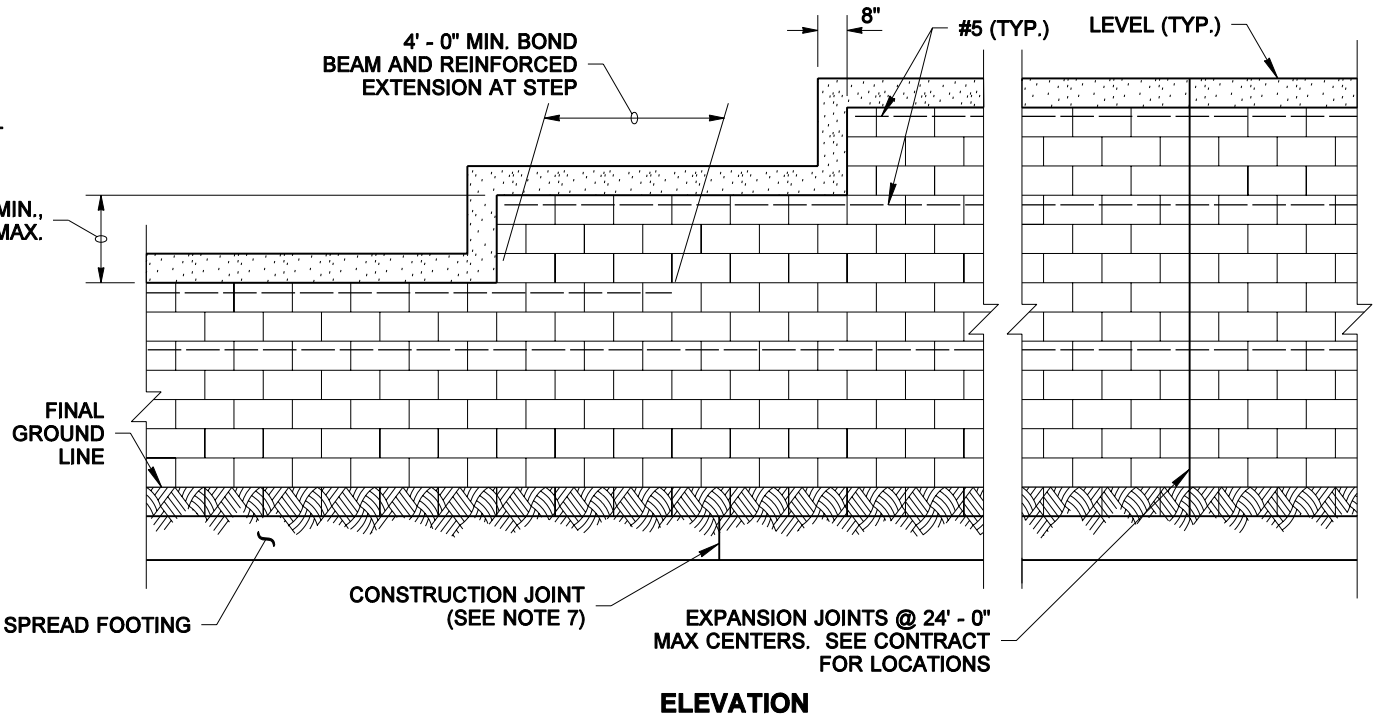
CMU = CONCRETE MASONRY UNIT

WALL HT H	TYPE 17A							WALL HT H	TYPE 17B						
	CMU WIDTH	X	W	BAR "A"	BAR "C"	BAR "D"	BAR "E"		CMU WIDTH	X	W	BAR "A"	BAR "C"	BAR "D"	BAR "E"
6' - 0"	8"	—	2' - 0"	3 ~ #4	—	#6 @ 48"	#4 @ 18"	6' - 0"	8"	—	12' - 3"	3 ~ #4	—	#6 @ 48"	#4 @ 18"
8' - 0"	8"	—	2' - 3"	3 ~ #4	—	#6 @ 48"	#4 @ 18"	8' - 0"	8"	—	2' - 9"	4 ~ #4	—	#6 @ 48"	#4 @ 18"
10' - 0"	8"	—	2' - 6"	3 ~ #4	—	#6 @ 48"	#4 @ 18"	10' - 0"	8"	—	3' - 3"	4 ~ #4	—	#6 @ 48"	#4 @ 18"
12' - 0"	8"	—	3' - 0"	4 ~ #4	—	#6 @ 48"	#4 @ 18"	12' - 0"	10"	4' - 0"	3' - 9"	4 ~ #4	—	#6 @ 40"	#4 @ 18"
14' - 0"	8"	—	3' - 3"	4 ~ #4	—	#6 @ 32"	#4 @ 18"	14' - 0"	10"	4' - 8"	4' - 3"	5 ~ #4	#6 @ 40"	#6 @ 40"	#4 @ 18"
16' - 0"	10"	5' - 4"	3' - 9"	5 ~ #4	—	#6 @ 32"	#4 @ 18"	16' - 0"	10"	5' - 4"	4' - 9"	5 ~ #4	#6 @ 32"	#6 @ 32"	#4 @ 18"
18' - 0"	10"	6' - 0"	4' - 0"	5 ~ #4	#6 @ 48"	#6 @ 48"	#4 @ 18"	18' - 0"	10"	6' - 0"	5' - 3"	6 ~ #4	#6 @ 24"	#6 @ 24"	#4 @ 18"
20' - 0"	10"	6' - 8"	5' - 0"	5 ~ #4	#6 @ 32"	#6 @ 32"	#4 @ 18"	20' - 0"	10"	8' - 0"	6' - 0"	5 ~ #4	#7 @ 24"	#7 @ 24"	#4 @ 18"
22' - 0"	10"	7' - 4"	5' - 6"	5 ~ #4	#6 @ 24"	#6 @ 24"	#4 @ 18"	22' - 0"	10"	10' - 0"	6' - 3"	5 ~ #4	#7 @ 16"	#7 @ 16"	#4 @ 12"
24' - 0"	10"	8' - 0"	6' - 0"	5 ~ #4	#6 @ 24"	#6 @ 24"	#4 @ 18"	24' - 0"	10"	12' - 0"	6' - 9"	5 ~ #4	#8 @ 16"	#8 @ 16"	#4 @ 12"
WALL HT H	TYPE 17C							WALL HT H	TYPE 17D						
	CMU WIDTH	X	W	BAR "A"	BAR "C"	BAR "D"	BAR "E"		CMU WIDTH	X	W	BAR "A"	BAR "C"	BAR "D"	BAR "E"
6' - 0"	8"	—	2' - 0"	3 ~ #4	—	#6 @ 48"	#4 @ 18"	6' - 0"	8"	—	2' - 6"	3 ~ #4	—	#6 @ 48"	#4 @ 18"
8' - 0"	8"	—	2' - 6"	3 ~ #4	—	#6 @ 48"	#4 @ 18"	8' - 0"	8"	—	3' - 3"	5 ~ #4	—	#6 @ 48"	#4 @ 18"
10' - 0"	8"	—	2' - 9"	3 ~ #4	—	#6 @ 48"	#4 @ 18"	10' - 0"	10"	4' - 0"	3' - 6"	5 ~ #4	—	#6 @ 24"	#4 @ 18"
12' - 0"	8"	—	3' - 3"	3 ~ #4	—	#6 @ 40"	#4 @ 18"	12' - 0"	10"	4' - 0"	4' - 3"	5 ~ #4	#6 @ 32"	#6 @ 32"	#4 @ 18"
14' - 0"	10"	4' - 0"	3' - 9"	5 ~ #4	—	#6 @ 16"	#4 @ 18"	14' - 0"	10"	4' - 8"	4' - 9"	5 ~ #4	#6 @ 24"	#6 @ 24"	#4 @ 18"
16' - 0"	10"	4' - 8"	4' - 3"	5 ~ #4	#6 @ 40"	#6 @ 40"	#4 @ 18"	16' - 0"	10"	5' - 4"	5' - 6"	5 ~ #4	#6 @ 16"	#7 @ 16"	#4 @ 18"
18' - 0"	10"	5' - 4"	4' - 6"	5 ~ #4	#6 @ 32"	#6 @ 32"	#4 @ 18"	18' - 0"	10"	7' - 4"	6' - 0"	5 ~ #4	#7 @ 24"	#7 @ 16"	#4 @ 18"
20' - 0"	10"	6' - 0"	5' - 3"	5 ~ #4	#6 @ 24"	#6 @ 16"	#4 @ 18"	20' - 0"	10"	9' - 8"	6' - 6"	5 ~ #4	#7 @ 16"	#8 @ 16"	#4 @ 12"
22' - 0"	10"	7' - 0"	5' - 9"	5 ~ #4	#6 @ 16"	#6 @ 16"	#4 @ 18"	22' - 0"	10"	12' - 0"	7' - 0"	5 ~ #4	#7 @ 16"	#8 @ 16"	#4 @ 12"
24' - 0"	10"	8' - 0"	6' - 3"	5 ~ #4	#7 @ 16"	#7 @ 16"	#4 @ 12"	24' - 0"	10"	15' - 0"	7' - 6"	6 ~ #4	#7 @ 16"	#8 @ 16"	#4 @ 12"

BAR SIZE	SPLICE LENGTH
#6	2' - 8"
#7	3' - 8"
#8	4' - 10"



TYPICAL SECTION



NOTES

1. Wall to be designated Noise Barrier Wall Type 17A, 17B, 17C or 17D. The Contract specifies actual wall designations.
2. For intermediate wall heights, use the next higher H.
3. All masonry shall be hollow unit and installed as running bond.
4. All masonry is to be specially inspected.
5. All Concrete Masonry Unit (CMU) cells that have vertical steel reinforcing bars or bond beam units shall be filled with grout.
6. Panels shall have at least 3 feet of level ground on each side.
7. Construction joints in the footing shall be spaced at 120 feet maximum.
8. See "Masonry Wall Finishes and Details" sheets for masonry block finishes, special shapes, sizes and layout.

MASONRY WALL ON SPREAD FOOTING



NOISE BARRIER WALL TYPE 17
STANDARD PLAN D-2.62-00

SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION

Harold J. Peterfeso

11-10-05

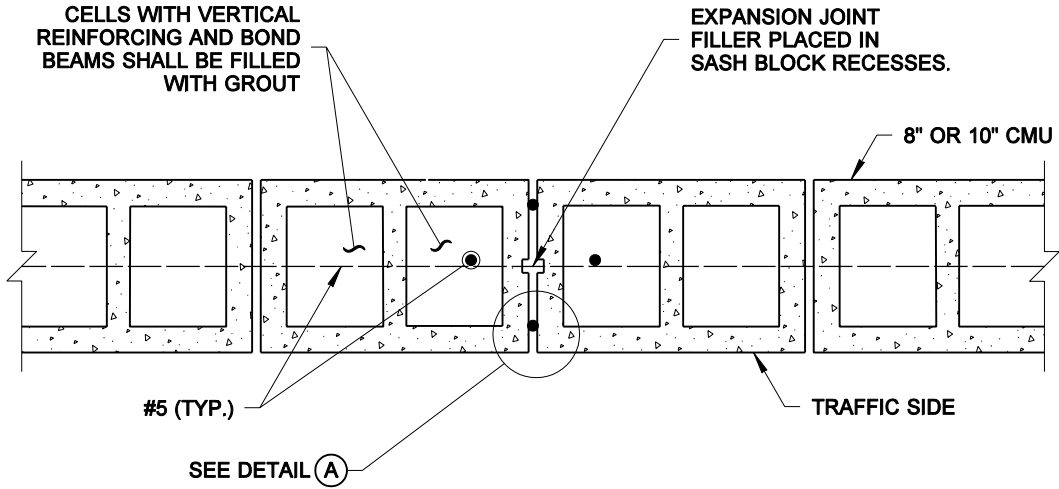
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DATE

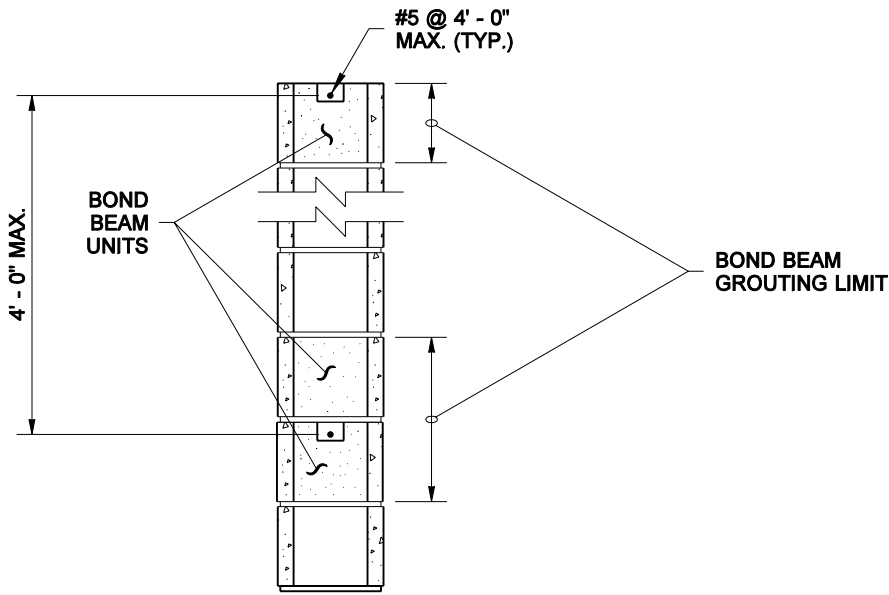


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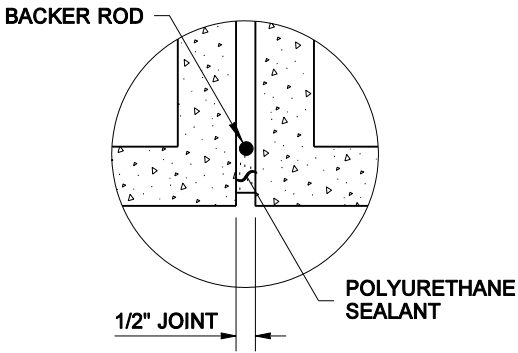
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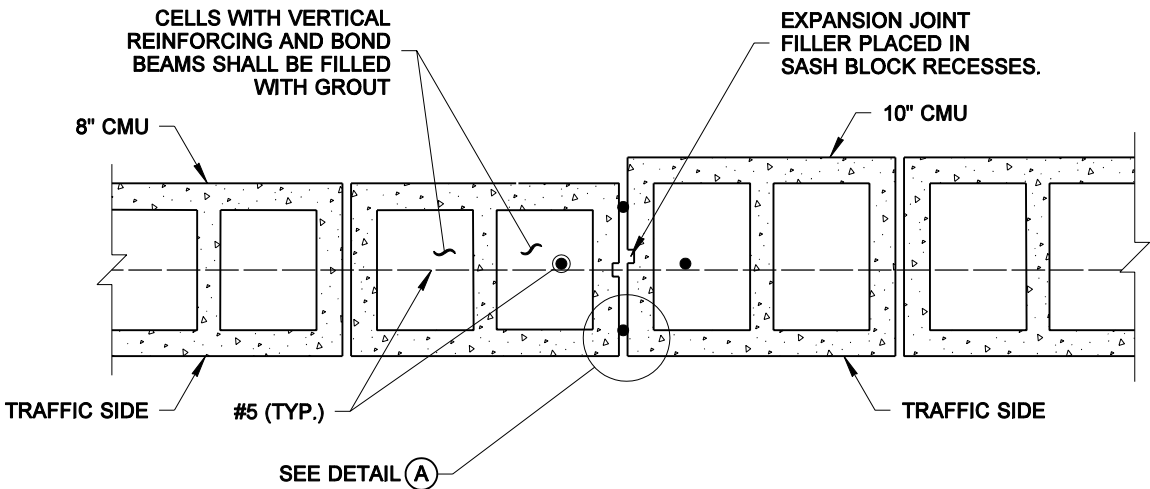
PLAN VIEW
TYPICAL EXPANSION JOINT



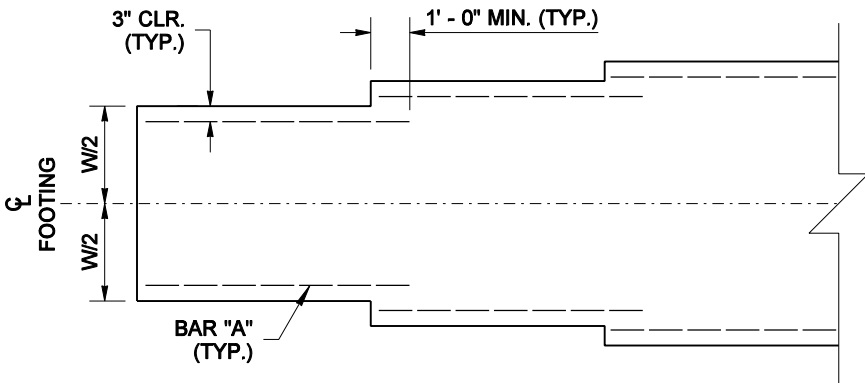
BOND BEAM DETAIL



DETAIL A
TYPICAL BOTH SIDES OF WALL



PLAN VIEW
EXPANSION JOINT AT WIDTH STEP



FOOTING WIDTH TRANSITION DETAIL
(FOR LOCATIONS WITHOUT FOOTING STEP)
NOTE: TRANSVERSE BARS NOT SHOWN

MASONRY WALL ON
SPREAD FOOTING



NOISE BARRIER WALL
TYPE 17
STANDARD PLAN D-2.62-00

SHEET 2 OF 2 SHEETS

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DATE



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